corresponds to a viscosity at 20 weight percent solids solution in toluene at 2°C of at about 80,000 cps and higher, and from

- (ii) about 250 to about 1,600 parts by weight of a plasticizing oil; said gel compositions characterized by a gel gram Bloom of about 2 to about 2000 gram bloom; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-butyrene), poly(styrene-butadiene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), polypropylene, or polyethylene; wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; and wherein said composite formed from the combination G_nG_n , $M_nM_nG_n$, G_nM_n , $G_nM_nG_n$, $M_nG_nM_n$, $M_nG_nG_n$, $M_nM_nG_n$, $M_nG_nM_nG_n$, M_nG

(new claim) 11. A composite comprising a gel composition, G_n, formed from

- (i) 100 parts by weight of one or more hydrogenated styrene block copolymers having 2-methyl-1,3-butadiene and 1,3-butadiene blocks, wherein said block copolymer exhibiting sufficient crystallinity is a high viscosity copolymer having a viscosity value at 5 weight percent solution in toluene at 30°C of about 90 cps and higher which corresponds to a viscosity at 10 weight percent of about 5800 cps and higher which corresponds to a viscosity at 20 weight percent solids solution in toluene at 25°C of at about 80,000 cps and higher, and from
- (ii) about 250 to about 1,600 parts by weight of a plasticizing oil; said gelatinous elastomer compositions characterized by a gel gram Bloom rigidity of about 2 to about 2000 gram bloom; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-butadiene)n, poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene)n, poly(styrene-ethylene-butylene) poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene-styrene), polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, or polyethylene, wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; and wherein said composite formed from the combination G_nG_n , $M_nM_nG_n$, $G_nM_nG_n$, $M_nG_nM_nG_n$, $M_nG_nM_nG_n$, $M_nM_nG_n$, $M_nG_nM_nG_n$, M

- 1

1

synthetic fibers; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

(new claim) 12. A composite comprising a gel composition, G_n, formed from

- (i) 100 parts by weight of one or more block copolymer of poly(styrene-ethylene/ethylene-propylene-styrene) exhibiting sufficient crystallinity, wherein said block copolymer is a high viscosity copolymer having a viscosity value at 5 weight percent solution in toluene at 30°C of about 90 cps and higher which corresponds to a viscosity at 10 weight percent of about 5800 cps and higher which corresponds to a viscosity at 20 weight percent solids solution in toluene at 25°C of at about 80,000 cps and higher, and from
- (ii) about 250 to about 1,600 parts by weight of a plasticizing oil; said gelatinous elastomer compositions characterized by a gel gram Bloom of about 2 to about 2000 gram bloom; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-butadiene)n, poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene)n, poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene-butylene-styrene), poly(styrene-ethylene-butylene-butylene-styrene), polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, or polyethylene, wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; and wherein said composite formed from the combination G_nG_n , $M_nM_nG_n$, $G_nM_nG_n$, $M_nG_nM_nG_n$, $M_nM_nG_n$, $M_nG_nM_nG_n$, $M_nG_nM_nG_n$
- (new claim) 13. A composite article comprising a thermoplastic, heat formable and heat reversible gelatinous elastomer composition, G, which is formed into a composite by heat and interlocked with one or more of a selected substrate material, M, said gelatinous elastomer composition formed from
- (i) 100 parts by weight of one or a mixture of two or more of a hydrogenated styrene isoprene/butadiene block copolymer(s) having selected crystallinity and from
- (ii) about 300 to about 1,600 parts by weight of a plasticizing oil; said gelatinous elastomer compositions characterized by a gel rigidity of from about 20 to about 800 gram Bloom; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-butadiene)n, poly(styrene-isoprene-styrene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-butylene-butylene), poly(styrene-ethylene-butylene)n, poly(styrene-ethylene-butylene)n, poly(styrene-ethylene-propylene)n, poly(styrene-ethylene-butylene)n, polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, or polyethylene, wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; and wherein said

Spremi

52 000 composite formed from the combination GnMnGn, MnGnMn, GnGnMn, MnMnMnGn, MnMnMnGnMn, MnGnMn, GnMnGnMn, GnMnGnMn, GnMnGnMn, GnGnMnMnGn, GnGnMnMnGn, GnGnMnMnGn, GnGnMnGnMnGn, a sequential addition or a permutation of one or more of said Gn with Mn; wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, metal, concrete, wood, glass, ceramics, synthetic resin, synthetic fibers or refractory materials; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity of from about 20 to about 800 gram Bloom.

- (new claim) 14. A composite article comprising a thermoplastic, heat formable and heat reversible gelatinous elastomer compositions, G, which is formed into a composite with one or more of a selected substrate material, M, said gelatinous elastomer composition formed from
- (i) 100 parts by weight of one or a mixture of two or more of a hydrogenated styrene isoprene/butadiene block copolymer(s) exhibiting selected crystallinity and
- (ii) from about 300 to about 1,600 parts by weight of an plasticizing oil; wherein said gelatinous elastomer compositions characterized by a gel rigidity of from about 20 to about 800 gram Bloom; in combination with or without
- (iii) a selected amount of one or more polymer or copolymer of poly(styrene-butadiene-styrene), poly(styrene-butadiene)n, poly(styrene-isoprene-styrene), poly(styrene-isoprene)n, poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-butylene) poly(styrene-ethylene-butylene) poly(styrene-ethylene-propylene)n, poly(styrene-ethylene-butylene)n, poly(styrene-ethylene-propylene), poly(ethylene-butylene), poly(ethylene-butylene), poly(ethylene-butylene), polypropylene, or polyethylene, wherein said selected copolymer is a linear, radial, branched, starshaped, or multiarm copolymer, and n is an integer greater than one; wherein said composite formed from the combination GnMn of said Gn with Mn; wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, metal, concrete, wood, glass, ceramics, synthetic resin, synthetic fibers or refractory materials; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity of from about 20 to about 800 gram Bloom.
- (new claim) 15. A composite article comprising a thermoplastic, heat formable and heat reversible gelatinous elastomer compositions, G which is formed into a composite with one or more of a selected substrate material, M, said gelatinous elastomer composition formed from
- (i) 100 parts by weight of one or a mixture of two or more of a hydrogenated styrene block copolymer(s) of selected crystallinity with 2-methyl-1,3-butadiene and 1,3-butadiene and
- (ii) from about 300 to about 1,600 parts by weight of an plasticizing oil; wherein said gelatinous elastomer compositions characterized by a gel rigidity of from about 20 to about 800 gram Bloom; in combination with or without
- (iii) a selected amount of one or more selected polymer or copolymer selected from the group consisting of poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene-styrene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, or polyethylene, wherein said selected copolymer is a linear, radial, branched, star-shaped, or multiarm copolymer; and n is an

A

Spr

integer greater than one, wherein said gelatinous elastomer compositions characterized by a gel rigidity of from about 20 to about 800 gram Bloom; wherein said composite formed from the combination GnMnGn, MnGnMn, MnGnGn, MnMnMnGn, MnGnMnGnMn, MnGnGnMn, GnMnGnMnGn, GnMnMnGn, GnGnMnMnGn, GnGnMnMnGn, GnGnMnGnMnGn, GnGnMnGnMnGn, a sequential addition or a permutation of one or more of said Gn with Mn; wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, metal, concrete, wood, glass, ceramics, synthetic resin, synthetic fibers or refractory materials; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity of from about 20 to about 800 gram/Bloom.

- (new claim) 16. A composite article comprising a thermoplastic, heat formable and heat reversible gelatinous elastomer composition, G, which is formed into a composite article with a selected substrate material M, said gelatinous elastomer composition form from
- (i) 100 parts by weight of one or a mixture of wo or more of a hydrogenated styrene block copolymer(s) exhibiting sufficient crystallinity with 2-methyl-1,3-butadiene and 1,3-butadiene block polymer(s) and
- (ii) from about 300 to about 1,600 parts by weight of an plasticizing oil, and in combination with or without
- (ii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene), poly(ethylene-butylene), poly(ethylene-butylene), poly(ethylene-butylene), poly(ethylene-butylene), polypropylene, or polyethylene, wherein said selected copolymer is a linear, branched, radial, starshaped, or multiarm copolymer; and n is an integer greater than one; wherein said composite formed from the combination GnMnGn, MnGnMn, MnGnGn, MnMnMnGn, MnMnMnGnMn, MnGnGnMn, GnMnGnMnGn, GnGnMnMnGn, GnGnMnGnMn, GnGnMnGnMnGn, GnGnMnGnMnGn, GnGnMnGnMnGn, a sequential addition or a permutation of one or more of said Gn with Mn, wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, metal, concrete, wood, glass, ceramics, synthetic resin, synthetic fibers or refractory materials; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity of from about 20 to about 800 gram Bloom.
- (new claim) 17. A composite of claim 10 wherein said hydrogenated styrene block copolymer is one or more of a block copolymer of poly(styrene-ethylene-propylene-styrene).
- (new claim) 18. A composite article of claim 11, wherein a source of said hydrogenated poly(styrene-isoprene/butadiene-styrene) block polymer being Septon® 4033, Septon® 4045, and Septon® 4055 or an equivalent.

(new claim) 19. A composite of claim 16 comprising:

- (I) 100 parts by weight of
 - (i) one or more substantially random copolymers (pseudo-random copolymers or

Al

interpolymers) having one or more glassy components and at least one components of sufficient crystallinity, wherein said (i) copolymers being in combination with a selected amount of one or more selected second copolymers comprising:

- (ii) one or more substantially random copolymers having one or more glassy components and one or more crysatlline components of moderate crystallinity;
- (iii) one or more substantially random copolymers having one or more glassy components and one or more crysatlline components of low crystallinity;
- (iv) one or more substantially random copolymers having one or more glassy components and one or more amorphous components;
- (v) one or more of a diblock, triblock, multi-arm block, branched block, radial block, or multiblock copolymers, wherein said (v) copolymers having one or more glassy components and one or more elastomeric components of selected crystallinity; and
- (vi) one or more of a diblock, triblock, multi-arm block, branched block, radial block, or multiblock copolymers, wherein said (vi) copolymers having one or more glassy components and one or more amorphours elastomeric components;
- (vii) a mixture of two or more (ii)-(vi) copolymers; wherein said (i)-(iii) and (v) copolymers are characterized by sufficient crystallinity as to exhibit a melting endotherm of at least about 10oC as determined by DSC curve;
 - (II) in combination with or without one or more of selected homopolymers; and
- (III) a selected amount of one or more compatible plasticizers of sufficient amounts to achieve a stable gel having rigidities of from less than about 2 gram Bloom to about 1,800 gram
- (new claim) 20. A composite article comprising a thermoplastic, heat formable and heat reversible gelatinous elastomer composition, G, which is formed into a composite article with a selected substrate material M, said gelatinous elastomer composition form from
- (i) 100 parts by weight of one or a mixture of two or more of a hydrogenated styrene block copolymer(s) exhibiting selected crystallinity with 2-methyl-1,3-butadiene and 1,3-butadiene
- (ii) from about 300 to about 1,600 parts by weight of an plasticizing oil, and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-butadiene)n, poly(styrene-isoprene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-propylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene)n, poly(styrene-ethylene-propylene)n, poly(styrene-ethylene-butylene)n, poly(ethylene-butylene), poly(ethylene-butylene), poly(ethylene-butylene), polypropylene, or polyethylene, wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; wherein said gelatinous elastomer composition characterized by a gel rigidity of from about 20 to about 800 gram Bloom; wherein said composite formed from the combination GnMn of said Gn with Mn; wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, metal, concrete, wood, glass, ceramics, synthetic resin, synthetic fibers or refractory materials; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity of from about 20 to about 800 gram Bloom.

Al

- (new claim) 21. A composite article comprising a thermoplastic, heat formable and heat reversible gelatinous elastomer compositions, G, which is formed into a composite with one or more of a selected substrate material, M, said gelatinous elastomer composition formed from
- (i) 100 parts by weight of one or a mixture of two or more of a hydrogenated poly(styrene isoprene/butadiene-styrene) block polymer(s) exhibiting selected crystallinity and
- (ii) from about 300 to about 1,600 parts by weight of an plasticizing oil, and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-butadiene)n, poly(styrene-isoprene-styrene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-butylene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-butylene)n, poly(styrene-ethylene-propylene)n, poly(styrene-ethylene-butylene)n, poly(ethylene-butylene), poly(ethylene-butylene), poly(ethylene-butylene), poly(ethylene-butylene), polypropylene, or polyethylene, wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; wherein said gelatinous elastomer composition characterized by a gel rigidity of from about 20 to about 800 gram Bloom; wherein said composite formed from the combination GnMn of said Gn with Mn; wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, metal, concrete, wood, glass, ceramics, synthetic resin, synthetic fibers or refractory materials; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity of from about 20 to about 800 gram Bloom.
- (new claim) 22. A composite according to claim 15, wherein said hydrogenated styrene block polymer is one or more of a block copolymer of poly(styrene-ethylene-ethylene-ethylene-ethylene-ethylene-styrene), and a source of said poly(styrene-ethylene-ethylene-propylene-styrene) being Septon® 4033, Septon® 4045, and Septon® 4055 or an equivalent.
- (new claim) 23. A composite comprising a gelatinous elastomer composition, Gn, formed from
- (i) 100 parts by weight of one or more block copolymer of poly(styrene-ethylene-ethylene propylene-styrene) exhibiting selected crystallinity, and from
- (ii) about 300 to about 1,600 parts by weight of a plasticizing oil; and wherein said composite formed from the combination GnMn, GnMnGnMn, MnGnMn, MnGnGn, MnGnGnMn, GnMnGnGn, GnMnMnGn, GnMnMnGn, GnGnMnMnGn, GnGnMnMnGn, GnGnMnGnMnGn, GnGnMnGnMnGn, GnGnMnGnMnGn, GnGnMnGnMnGn, a sequential addition or a permutation of one or more of said Gn with Mn; wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, glass, ceramics, synthetic resin, or synthetic fibers; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.
- (new claim) 24. A composite comprising a gelatinous elastomer composition, Gn, formed from (i) 100 parts by weight of one or more of a hydrogenated styrene isoprene/butadiene copolymer exhibiting selected crystallinity, wherein a source of said copolymers being Septon® 4033, Septon® 4045, and Septon® 4055 or an equivalent, and from
- (ii) about 300 to about 1,600 parts by weight of a plasticizing oil; and wherein said composite formed from the combination GnMn, GnMnGn, MnGnMn, MnGnGn, MnGnGnMn, GnMnGnGn,

SBA

Al

GnMnMnGn, GnMnMnGn, GnGnMnMn, GnGnMn, GnMnGnMn, GnMnGnMnGnMnGn, GnGnMnMnGnMnGn, GnGnMnMnGn, GnGnMnMnGn, a sequential addition or a permutation of one or more of said Gn with Mn; wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, glass, ceramics, synthetic resin, or synthetic fibers; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

(new claim) 25. A composite comprising a gelatinous elastomer composition, Gn, formed from

- (i) 100 parts by weight of a hydrogenated/styrene isoprene/butadiene copolymer exhibiting selected crystallinity, wherein a source of said block copolymer being Septon® 4033, Septon® 4045, and Septon® 4055 or an equivalent, and from
- (ii) about 300 to about 1,600 parts by weight of a plasticizing oil; and wherein said composite formed from the combination GnMn, GnMnGn, MnGnMn, MnGnGn, MnGnGnMn, GnMnGnGn, GnMnMnGn, GnMnMnGn, GnGnMnMnGn, GnGnMnMnGn, GnGnMnGnMnGn, GnGnMnGnMnGn, GnGnMnGnMnGn, a sequential addition or a permutation of one or more of said Gn with Mn; wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, glass, ceramics, synthetic resin, or synthetic fibers; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

(new claim) 26. A composite comprising a gelatinous elastomer composition, Gn, formed from

- (i) 100 parts by weight of one or more block copolymers of poly(styrene-ethylene-ethylene propylene-styrene) exhibiting selected crystallinity, wherein a source of said block copolymers being Septon® 4033, Septon® 4045, and Septon® 4055 or an equivalent, and from
- (ii) about 300 to about 1,600 parts by weight of a plasticizing oil; and wherein said composite formed from the combination GnMn, GnMnGn, MnGnMn, MnGnGn, MnGnGnMn, GnMnGnGn, GnMnMnGn, GnMnMnGn, GnGnMnMnGn, GnGnMnMnGn, GnGnMnGnMnGn, GnGnMnGnMnGn, a sequential addition or a permutation of one or more of said Gn with Mn; wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, glass, ceramics, synthetic resin, or synthetic fibers; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.
- (new claim) 27. A composite comprising a gelatinous elastomer composition, Gn, formed from (i) 100 parts by weight of one or more of a hydrogenated styrene isoprene/butadiene copolymers exhibiting selected crystallinity, wherein a source of said block copolymers being Septon® 4033, Septon® 4045, and Septon® 4055 or an equivalent, and from
- (ii) about 300 to about 1,600 parts by weight of a plasticizing oil; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-isoprene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-propylene-styrene), poly(styrene-butadiene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-propylene)n, poly(styrene-butylene)n, polystyrene, polybutylene, polyethylene, polypropylene; wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; and wherein said composite formed from the combination GnMn, GnMnGn, MnGnMn, MnGnGn, MnGnGnMn, GnMnGnGn, GnMnMnGn, GnMnMnGn,

Al Name

GnGnMnMn, GnGnMn GnMn, GnMnGnGn, GnGnMn, GnMnMnMn, MnGnMnGnMnGn, GnGnMnMnGn, GnGnMnMnGn, a sequential addition or a permutation of one or more of said Gn with Mn; wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, glass, ceramics, synthetic resin, or synthetic fibers; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

(new claim) 28. A composite comprising a gelatinous clastomer composition, Gn, formed from

- (i) 100 parts by weight of s hydrogenated styrene block copolymers having 2-methyl-1,3 butadiene and 1,3-butadiene blocks exhibiting selected crystallinity, wherein a source of said block copolymers being Septon® 4033, Septon® 4045, and Septon® 4055 or an equivalent, and from
- (ii) about 300 to about 1,600 parts by weight of a plasticizing oil; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-isoprene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-propylene-styrene), poly(styrene-butadiene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-propylene)n, poly(styrene ethylene-butylene)n, polystyrene, polybutylene, polyethylene, polypropylene; wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; and wherein said composite formed from the combination GnMnGn, MnGnMn, MnGnGn, MnGnGnMn, GnMnGnGn, GnMnMnGn, GnMnMnGn, GnGnMnMnGn, GnGnMnMnGn, GnGnMnGnMnGn, GnGnMnGnMnGn, GnGnMnGnMnGn, GnGnMnGnMnGn, GnGnMnGnMnGn, GnGnMnGnMnGn, GnGnMnGnMnGn, a sequential addition or a permutation of one or more of said Gn with Mn; wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, glass, ceramics, synthetic resin, or synthetic fibers; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

(new claim) 29. A composite comprising a gelatinous elastomer composition, Gn, formed from

- (i) 100 parts by weight of one or more block copolymer of poly(styrene-ethylene-ethylene propylene-styrene) exhibiting selected crystallinity, wherein a source of said block copolymer being Septon® 4033, Septon® 4045, and Septon® 4055 or an equivalent, and from
- (ii) about 300 to about 1,600 parts by weight of a plasticizing oil; and in combination with or without
- (iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-isoprene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-propylene-styrene), poly(styrene-butadiene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-propylene)n, poly(styrene ethylene-butylene)n, polystyrene, polybutylene, polyethylene, polypropylene; wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; and wherein said composite formed from the combination GnMn, GnMnGn, MnGnMn, MnGnGn, MnGnGnMn, GnMnGnGn, GnMnMnGn, GnMnMnGn, GnMnMnGn, GnGnMnMnGn, GnGnMnMnGn, GnGnMnGnMnGn, a sequential addition or a permutation of one or more of said Gn with Mn; wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, glass, ceramics, synthetic resin, or synthetic fibers; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

5/3 cm (new claim) 30. A composite comprising a gelatinous elastomer composition, Gn, formed from

(i) 100 parts by weight a block copolymer comprising poly(styrene-ethylene-ethylene-propylene styrene) block copolymers exhibiting selected crystallinity, wherein a source of said block copolymer being Septon® 4033, Septon® 4045, and Septon® 4055 or an equivalent, and from

(ii) about 300 to about 1,600 parts by weight of a plasticizing oil; and in combination with or without

(iii) a selected amount of one or more polymers or copolymers of poly(styrene-butadiene-styrene), poly(styrene-isoprene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-propylene-styrene), poly(styrene-butadiene)n, poly(styrene-isoprene)n, poly(styrene-ethylene-propylene)n, poly(styrene-butylene)n, polystyrene, polybutylene, polyethylene, polypropylene; wherein said selected copolymer is a linear, radial, star-shaped, branched or multiarm copolymer, wherein n is greater than one; and wherein said composite formed from the combination GnMn, wherein when n is a subscript of M, n is the same or different selected from the group consisting of foam, plastic, fabric, glass, ceramics, synthetic resin, or synthetic fibers; and wherein when n is a subscript of G, n denotes the same or a different gel rigidity.

(new claim) 31. A prosthetic device comprising a lower extremity socket insert for below knee or above knee with or without a cuff suspension formed from a gel of claim 19.

(new claim) 32. A prosthetic device comprising a lower extremity socket insert for below knee or above knee with or without a cuff suspension formed from a gel composite claim 10, wherein M is a fabric.

(new claim) 33. A composite of claim 20, wherein said hydrogenated styrene block copolymer(s) with 2-methyl-1,3-butadiene and 1,3-butadiene is poly(styrene-ethylene-ethylene propylene-styrene) exhibiting selected crystallinity, and a source of said poly(styrene-ethylene-ethylene-propylene-styrene) being Septon® 4033, Septon® 4045, and Septon® 4055 or an equivalent.

REMARKS

In response to the official restriction requirements and election, Applicant respectfully elects the invention of composite claim 4 for prosecution on the merits and all claims readable thereon. In making this election, Applicant reserve the right to file one or more additional applications on the nonelected inventions.

New claims 10-33 are supported by the specification and claims as filed and do not involve new matter.

The fee for the excess independent claims is $14 \times 84 = 1176.00$ and total claims $33-20 = 13 \times 18 = 234$, and the total is 1,410.00 which payment check # 3974 is attached.

SB3 UM

Subs

5/21

This response is being made within the (1) month period for response.

Should Examiner have any questions regarding this response, Applicant can be reached at (650) 827-1388.

Respectfully submitted

John Y. Chen

Agent for Applicant

Reg. No. 29,782

650 827-1388 Fax: 1389

Applied Elastomerics, Inc. 163 West Harris Avenue South San francisco, CA 94080 January 14, 2002